

VML 0.3 ARCHITECTURE (10/07/08)

The physicist works with virtual machines and wants to save the state of his virtual machines during his work. In VML, the folders which contain the virtual machines files are called *working areas*. When VML saves the state of a virtual machine, actually it copies some files of the VM and stores some metadata into another folder called *repository*. These files and this metadata compose a VML entry.

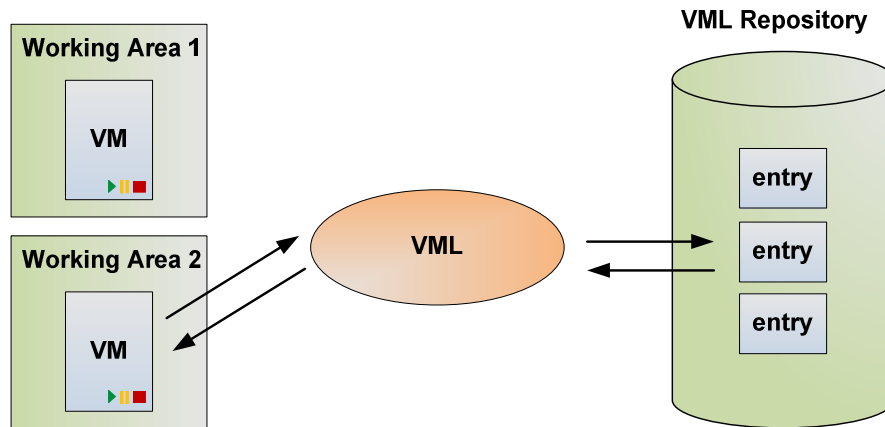


Figure 1 – General Architecture of VML

Figure 1 shows the general architecture of VML with the main components. The virtual machines in the working areas can be directly used by the physicist (i.e., he can start, stop and suspend them). A working area can contain zero or one virtual machine, but the user can have more than one working area.

The entry into the repository corresponds to virtual machines, but the user cannot directly use them from inside the repository. If he wants to open an entry, he must ask VML to do it. VML then extracts the entry into a working area and the physicist can then use the virtual machine.